



UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: Mostafa S. Fahim

Serial No.: 07/303,747

Filed: January 30, 1989

March 8, 1991

Group Art Unit 125

For: Method of Inhibiting Generation,
Maturation, Motility and Viability
of Sperm with Minerals in
Bioavailable Form

Examiner: Raymond J. Henley III

Amendment A

Commissioner of Patents and Trademarks
Washington, D. C. 20231

Sir:

In response to the Office action of December 4, 1990,
please amend the above-identified application as follows:

IN THE TITLE:

Please delete "AND COMPOSITIONS USEFUL THEREFOR."

IN THE CLAIMS:

Please cancel claims 1 - 29 and add the following new
claims.

1
20. A method of inhibiting generation, maturation,
motility or viability of sperm in a reproductive tract of an
animal comprising applying in said reproductive tract an
aqueous solution of a mineral gluconate salt and an amino acid
capable of forming the solution, said aqueous solution
neutralized to a pH in the range of 6.0 to 7.5 and applied in
an amount effective to inhibit generation, maturation, motility
or viability of sperm in the reproductive tract and said
mineral gluconate salt and said amino acid being present in
substantially equal molar amounts at a concentration in the
range from about 0.05M to about 2.0M.

2
31. The method of claim 20 wherein the concentration
of the mineral gluconate salt and the amino acid is from about
0.05M to about 0.3M.